

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Previously Presented): A wireless communication system operative for transmission of packet data and low delay data on a plurality of forward link transmission channels, the system comprising:

a first set of forward link channels within the plurality of transmission channels, the first set of channels being assigned to packet data transmissions and packet data being transmitted in frames;

a second set of forward link channels within the plurality of transmission channels, the second set of channels being assigned to low delay data transmissions; and

a forward link signaling channel within the plurality of transmission channels, the signaling channel being assigned to message transmissions, wherein each message corresponds to packet data and identifies a packet data target recipient.

2. (Currently Amended): A wireless communication system operative for transmission of packet data and low delay data on a plurality of forward link transmission channels, the system comprising:

a first set of forward link channels within the plurality of transmission channels, the first set of channels being assigned to packet data transmissions and packet data being transmitted in frames;

a second set of forward link channels within the plurality of transmission channels, the second set of channels being assigned to low delay data transmissions; and

a forward link signaling channel within the plurality of transmission channels, the signaling channel being assigned to message transmissions, wherein each message corresponds to packet data and identifies a packet data target recipient, and The wireless communication system of claim 1, wherein a first message is transmitted on the signaling channel concurrently with an

associated first packet data frame, and wherein the first message identifies a first packet data recipient associated with the first packet data frame.

3. (Currently Amended): The wireless communication system of claim 1, wherein [[the]] a first message identifies a subset of the first set of channels assigned to transmission of the first packet data.

4. (Currently Amended): A wireless communication system operative for transmission of packet data and low delay data on a plurality of forward link transmission channels, the system comprising:

a first set of forward link channels within the plurality of transmission channels, the first set of channels being assigned to packet data transmissions and packet data being transmitted in frames;

a second set of forward link channels within the plurality of transmission channels, the second set of channels being assigned to low delay data transmissions; and

a forward link signaling channel within the plurality of transmission channels, the signaling channel being assigned to message transmissions, wherein each message corresponds to packet data and identifies a packet data target recipient, and The wireless communication system of claim 1, wherein [[the]] a first message identifies a coding scheme used for transmission of the first packet data.

5. (Canceled):

6. (Canceled):

7. (Canceled):

8. (Canceled):

9. (Currently Amended): In a wireless communication system, the system supporting packet data transmissions and low delay data transmissions over a plurality of transmission channels, a method comprising:

transmitting packet data via a set of packet data channels; and
transmitting control information associated with the packet data via a signaling channel, wherein the signaling channel is separate from the set of packet data channels, and wherein the control information identifies a target recipient of associated packet data, and ~~The method of claim 8, wherein the control information further identifies a coding scheme for the packet data.~~

10. (Original): The method of claim 9, further comprising:

receiving data requests from a plurality of mobile units; and
determining a transmission schedule according to the data requests.

11. (Original): The method of claim 10,

assigning a priority level to each of the plurality of mobile units; and
determining a traffic schedule among the plurality of mobile units based on priority level.

12. (Original): The method of claim 11, wherein a high priority is given to a mobile unit experiencing less interference than other of the plurality of mobile units.

13. (Previously Presented): A wireless apparatus operative to receive packet data via at least one of a first set of channels, the wireless apparatus comprising:

a processor operative to receive messages via a signaling channel and to determine target recipient information and coding information from received messages; and

a data rate determination unit operative to calculate a data rate in accordance with the target recipient information and the coding information.

14. (Original): The apparatus of claim 13, wherein the apparatus is operative within a wireless communication system supporting high rate packet data transmissions and low delay data transmissions.

15. (Original): The apparatus of claim 13, further comprising:
a buffer coupled to the processor, the buffer operative to store packet data received via the at least one of the first set of channels;
a decoder coupled to the processor, the decoder operative to decode data packets received if the wireless apparatus is a target recipient and ignore data packets if the wireless apparatus is not the target recipient.

16. (Original): The apparatus of claim 13, wherein the target recipient information identifies multiple target recipients.

17. (Original): The apparatus of claim 13, wherein the coding information is predetermined by a transmitter and is used to encode the packet data, and wherein the apparatus further comprises:

a decoder coupled to the processor, the decoder responsive to the coding information to decode received packet data.

18. (Previously Presented): A wireless communication system operative for transmission of packet data and low delay data on a plurality of transmission channels, the system comprising:

a first set of forward link channels within the plurality of transmission channels, the first set of channels being assigned to packet data transmissions and packet data being transmitted in frames;

a second set of forward link channels within the plurality of transmission channels, the second set of channels being assigned to low delay data transmissions; and

a forward link signaling channel within the plurality of transmission channels; the signaling channel being assigned to message transmissions, wherein a message corresponds to a packet transmitted on one of the first set of channels, wherein the message identifies a parameter of the packet.

19. (Cancelled)

20. (Original): The wireless communication system of claim 18, wherein the message is sent on the forward link from the base station to the mobile station.

21. (Previously Presented): A wireless apparatus operative to process packet data via at least one of a first set of channels and to process low delay data transmissions via at least one of a second set of channels, the wireless apparatus comprising:

- means for processing data in frames on at least one of the first set of channels;
- means for processing low delay data on at least one of the second set of channels;
- means for encoding a message corresponding to a particular packet and identifying a parameter of the packet; and
- means for sending the message on a signaling channel.

22. (Previously Presented): A wireless apparatus operative to send or receive packet data via at least one of a first set of channels and to send or receive low delay data transmissions via at least one of a second set of channels, the wireless apparatus comprising:

- means for processing packet data in frames on at least one of the first set of channels;
- means for processing low delay data on at least one of the second set of channels;
- means for receiving a message corresponding to a particular packet on a signaling channel;
- means for decoding the message corresponding to the particular packet and identifying a parameter of the packet; and
- means for using the parameter in the reception of the particular packet.

23. (Previously Presented): The wireless communication system of claim 18, wherein the parameter is a sequence number for the packet.

24. (Previously Presented): The wireless communication system of claim 18, wherein the parameter comprises coding and modulation used in transmitting the packet.

25. (Previously Presented): The wireless communication system of claim 24, wherein the parameter is a first identifier, wherein the first identifier is stored in a memory storage device corresponding to the coding and modulation.

26. (Previously Presented): A wireless apparatus operative to receive packet data via at least one of the first set of channels, the wireless apparatus comprising:

a processor operative to receive messages via a signaling channel and to determine packet parameter information and coding information from received messages; and

a packet decoder operative to decode the received messages in accordance with the packet parameter information and the coding information.

27. (Currently Amended): A wireless communication apparatus supporting packet data communications and low delay data communications over a plurality of transmission channels, the apparatus comprising:

a memory storage device adapted for storing computer-readable instructions; and

a processor adapted for processing said computer-readable instructions to:

receive packet data via a set of packet data channels; and

~~receive control information associated with the packet data via a signaling channel, wherein the signaling channel is separate from the set of packet data channels, and wherein the control information identifies a target recipient of associated packet data.~~

receive messages via a signaling channel and to determine target recipient information and coding information from received messages.

28. (Previously Presented): A wireless receiving system operative for receiving packet data and low delay data on a plurality of transmission channels, the system comprising:

a receiver component for receiving packet data transmissions and packet data being transmitted in frames;

a receiver component for receiving low delay data transmissions; and

a receiver component for receiving message transmissions, wherein each message identifies a packet data target recipient.

29. (Previously Presented): A method, comprising:
receiving a first message on a signaling channel, the first message identifying a first packet of data and a target recipient for the first packet of data; and
receiving the first packet of data on a low delay data channel concurrently with receiving the first message on the signaling channel.

30. (Currently Amended): The method of claim [[28]] 29, further comprising:
decoding the first packet of data.

31. (Previously Presented): An apparatus, comprising:
means for receiving a message on a signaling channel, the message identifying a first packet of data and a target recipient for the first packet of data; and
means for receiving the first packet of data on a low delay data channel concurrently with receiving the message on the signaling channel.

32. (Currently Amended): The apparatus of claim [[37]] 27, further comprising:
means for decoding the message.

33. (Currently Amended): The apparatus of claim [[38]] 27, wherein the message identifies the apparatus as the target recipient.

34. (Currently Amended): The method of claim [[28]] 29, wherein the low delay data channel is one of a first set of channels, and wherein the first message identifies a subset of the first set of channels.

35. (Currently Amended): A method, comprising:

receiving a first message on a signaling channel, the first message identifying a first packet of data and a target recipient for the first packet of data and The method of claim 28, wherein the first message identifies identifying a coding scheme used for transmission of the first packet data; and

receiving the first packet of data on a low delay data channel concurrently with receiving the first message on the signaling channel

36. (Currently Amended): In a wireless receiving system, the system supporting packet data and low delay data transmission over a plurality of transmission channels, a method comprising:

receiving packet data via a set of packet data channels; and

receiving control information associated with the packet data via a signaling channel, wherein the signaling channel is separate from the set of packet data channels, and wherein the control information identifies a target recipient of associated packet data signaling channel is assigned to message transmissions, wherein each message corresponds to packet data and identifies a packet data target recipient.

37. (Previously Presented): A wireless receiving system operative for receipt of packet data and low delay data on a plurality of transmission channels, the system comprising:

a receiver component for receiving packet data transmissions and packet data being transmitted in frames;

a receiver component for receiving low delay data transmissions; and

a receiver component for receiving message transmissions, wherein a message corresponds to a packet transmitted on one of the first set of channels, wherein the message identifies a parameter of the packet.

38. (Currently Amended): A computer data signal embodied on a carrier wave, characterized by:

a plurality of packet data frames transmitted on a first set of forward link transmission channels;

a plurality of low delay data transmitted on a second set of forward link transmission channels; and

a plurality of messages transmitted on a forward link signaling channel, the signaling channel being assigned to message transmissions, wherein each message corresponds to packet data and identifies a packet data target recipient.

39. (Currently Amended): The computer data signal of claim [[34]] 38, wherein each message comprises:

a packet data parameter for reception of packet data.

40. (Cancelled)